

Bulletin

No. 3 35th year

University of Toronto

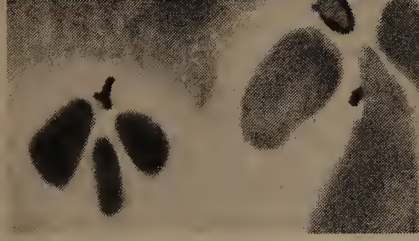
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There's no need to cut EPF funds

task force on federal-provincial spending tells Parliament

A seven-man task force on federal-provincial spending in the areas of post-secondary education and health says in a report to Parliament released Aug. 31, that the federal government should be able to keep funding at present levels.

Their thinking contrasts sharply with the intentions of Minister of Finance Allan MacEachen, whose budget speech last October warned that the government would be making "significant savings" in Established Programs Financing (EPF), funds transferred to the provincial governments for health, social services and education.

In a submission to the task force, which was convened in April, MacEachen argued that the federal government's most urgent priority was to strengthen its fiscal position, and "transfers to the provinces cannot be insulated from politics of restraint".

The task force maintains that there is no long-term discrepancy between the revenue capacities and expenditure responsibilities of the federal government. "It cannot be claimed that the capacity of the federal government has reached a structural (as opposed to a political or discretionary) ceiling," says the report.

"They've basically rejected the finance minister's claim that there's a need to achieve savings by reducing EPF, and his notion that financial imbalance is related to political imbalance," says David Nowlan, vice-president (planning and resources) and registrar. "They point out that the government does have alternative ways to solve its fiscal imbalance — an energy agreement that brings in dramatically higher revenue to the

federal government, for example."

He says there's nothing in the report that suggests funding for Ontario universities will be increased, "but it does take the government to task for a budget plan that would have seen funding reduced". Professor Nowlan predicts that when the provincial ministers of finance sit down to negotiate for 1982-87 with the federal government this fall — the current EPF agreement runs out in the spring —

they'll be in a much better position to refute the position of the federal government, which wants to cut back. He also expects that the report will have an impact when the report of the Committee on the Future Role of Universities in Ontario is considered. "One of the messages that the public should hear is that we're running ourselves efficiently and if funding is cut back we'll inevitably do

Continued on Page 2

Strong continued support of universities, specially earmarked funding recommended by task force on EPF scheme

The parliamentary task force on Fiscal Federalism in Canada has recommended continued strong federal support for post-secondary institutions in the form of block funding to the provinces. However, under the plan it puts forth, the funding would be specially earmarked for educa-

tional programs.

The five-year agreement negotiated with the provinces in 1977 gives funds for health services and post-secondary education to the provinces to spend according to their own priorities. Though the allocation suggested was 32.1 percent

for education and 67.2 percent for health, the task force found interpretations differed as to whether this "can be taken as dictating an allocation of these transfers on the part of the provinces to those designated purposes".

Once health and education are separated, the task force reasons, "each component of the funding must be clearly and visibly allocated to each of the program areas. It will then be much more evident if a provincial government does not carry its share of financing for health or post-secondary education after 1982". The allocation may be adjusted, the report adds, in response to changing levels of demand — presumably a marked decline or increase in post-secondary enrolment.

The report conceded that earmarking of federal transfers cannot bind the provinces to provide a specific percentage of financing. But, it adds, "the process of negotiation . . . will at least emphasize an expectation that provinces will keep their side of the funding bargain".

Under the current arrangement, which expires in the spring of 1982, the report suggests that some provinces have been cutting spending in one area in order to bolster the other or have simply pocketed what they might have had to spend had the federal government's contribution been less. "It is to redress any imbalance of this sort that the task force argues for a return to separate transfers," the report says. "Provincial governments must explain to their own electorates their decisions to practise expenditure restraint in relation to programs falling under EPF. But we would like to ensure that in future there is no lack of clarity as

Continued on Page 2

UTFA wants arbitration board

Asks for changes to *Memorandum of Agreement*

The Governing Council has been asked by the U of T Faculty Association (UTFA) to agree to amend the *Memorandum of Agreement*.

At issue is Article 6, which details the process of salary and benefits negotiations. Under the terms of the present agreement, if the person chosen as mediator when direct bargaining has reached an impasse fails to promote agreement between the association and the administration, he is empowered to present a recommended settlement to Governing Council. Governing Council, by majority vote, may reject the settlement.

The UTFA proposals separate the mediation and arbitration functions. They provide for final and binding arbitration by a three-person arbitration board should mediation fail. As UTFA president Harvey Dyck points out in the latest UTFA *Newsletter*, the arbitration proposal has a ring of familiarity — UTFA asked for third party arbitration during the 1976 negotiations of the *Memorandum of Agreement*.

UTFA contends that the right of Governing Council to reject the settlement recommended by the mediator puts the bargaining parties on an unequal footing. Dissatisfaction was especially evident this year when Innis Christie, a professor of law at Dalhousie University, became the second mediator to base his recommended settlement on the University's "ability-to-pay" as presented by the administration during negotiations.

UTFA's request that the bargaining process be changed was made in a letter of July 31 to the chairman of the Governing Council, Terence Wardrop. It followed a July 28 meeting of the UTFA council that approved proposed changes worked out by the association's executive committee.

The UTFA proposals allow for mediation to begin anytime between the start of negotiations and Jan. 31. The mediator would have until Feb. 21 to bring about an agreement and write a report. If agreement isn't reached by March 1, either party may take it to arbitration. The mediator's report would not be made

available to the arbitrators unless this was agreed to by the faculty association and administration.

The arbitrators would base their award on a range of criteria including changes in the Consumer Price Index in Canada and Toronto, salaries, benefits and pensions for faculty and librarians at other large universities in Canada and the need to attract faculty members and librarians of high quality.

Says one clause in the UTFA proposal: "Both parties agree that faculty members and librarians should not be required to subsidize the university or community by accepting sub-standard wages and working conditions."

Wardrop has written to Professor Dyck promising that the matter will be dealt with expeditiously. Prof. Dyck said he would like to see negotiations on the proposals completed before bargaining begins this year. The request for changes to the *Memorandum of Agreement* is on the agenda of today's meeting of the Executive Committee of Governing Council.

Earmarked funding

Continued from Page 1

to the degree of federal support for these programs. It is for this purpose — and not to attach blame for past alleged 'errors' in provincial expenditure decisions — that

the task force makes recommendations for modifications to the EPF arrangements."

In some cases, witnesses who came before the task force were able to demonstrate that the provinces were diverting federal funds from health or post-secondary institutions to other purposes. Ontario government spokesmen vigorously deny having used EPF money for anything other than health or post-secondary education, but readily concede that what was given as a federal transfer of funds in a Social Service "envelope" was spent according to the province's own established priorities.

In other words, the \$1.3 billion contribution from the federal government for post-secondary institutions in Ontario for 1981-82 need not have gone through provincial coffers to those institutions. Indeed, the \$17.6 million in transfers allotted to Prince Edward Island's post-secondary institutions could not have been spent by them, since it amounted to 113 percent of their operating costs.

For 1982-83, the task force, looking at projected enrolments, anticipates that Ontario should receive \$2.4 billion in transfer payments, \$1.5 billion for universities and \$967 million for community colleges. The report's projections suggest that community college funding in Ontario will go down progressively to the point of \$446 million in 1986-87 while university funding will peak at \$1.5 billion in 1983-84 and then recede to \$1.4 billion by 1986-87.

No need to cut EPF funds

Continued from Page 1

what we do less well and not bring in as many students as we used to."

The report envisages much more consultation between the federal government and the provinces about development in the post-secondary sector. Nowlan hopes the universities will be invited to take part in the deliberations. "We should be more than just a lobby group," he says. "I think it's important that the universities contribute to discussions about the shape and financing of the system."

Despite their resistance to cuts in federal contributions to social services, members of the task force were obviously influenced by MacEachen's desire for increased federal visibility. "Canadians are not aware that \$14 billion worth of federal expenditures really serves to finance essential provincial and local services," he had told them. He asked for a link between such federal policy interests as the training of highly qualified managers, professionals and technicians and provincial outlays financed by federal transfers. "The post-secondary . . . transfer . . . to the extent it serves federal policy . . . is mainly related to long-term economic development," he said.

Key recommendations of the committee chaired by Herb Breau, a Liberal, and composed of members of parliament from all three parties, were:

- Block funding should be continued, but in two separate, identifiable chunks. Money for health would continue to come under Social Affairs, but post-secondary educational funding would be dispensed as Economic Development. (See accompanying story.)
- A minister designated responsible for consulting with the Council of Ministers of Education, Canada (CMEC) should report annually to Parliament, beginning in 1982-83, on the effectiveness of federal programs in relation to the

country's economic goals and the means by which CMEC and the provinces are seeking to achieve an agreed-on set of national objectives.

- There should be equality of access for adults of all ages and income groups to post-secondary education. The report calls for "priority attention" to adjustments in student assistance programs so that loans and grants can be brought into line with the higher cost of living and the reduced opportunities for summer employment that students must contend with.
- Post-secondary institutions should tie their programs to the labour market. The recommendation that funding come through Economic Development was made to "clarify the nature of federal interest in post-secondary education and identify more precisely the kinds of results the federal government might look for as a consequence of these expenditures", says the report, which calls for "a redirection of new education-related expenditures to economic goals".

The report suggests that provinces have been riding on the federal government's coat-tails, spending a smaller proportion of the total operating costs of post-secondary operating expenses as the federal share increased. In Ontario, for example, the federal contribution grew from 56.3 percent of the total needed in 1976-77 to 69.8 percent in 1981-82. In almost all provinces, the total of the EPF dollars allocated to the post-secondary transfer now exceeds provincial support. "There is no doubt that federal action over the years, in one way or another, has underwritten provincial financing of higher education to a remarkable degree," the report says.

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Universities push for gov't statement on report of review committee

Hoping that Premier William Davis will stand by his statement that he'd be reluctant to see any university closed, Ontario universities are pressing for early government action on the report on the future role of universities.

The report, commissioned by the government in November 1980, recommended either more money for universities or a major scaling down of the university system.

"The alternative to adequate financing proposed by the report is unthinkable," said David Bates, president of the Ontario Confederation of University Faculty Associations (OCUFA). "Its consequences for access to quality education and for Ontario's research and development needs would be extremely serious."

The Council of Ontario Universities (COU) issued a statement welcoming the report and supporting the recommendation that public funding be increased to allow provincial universities to realize their objectives. "The report comes at a time of heightened concern that the universities may no longer be able to manage their affairs efficiently and equitably after several years of seriously insufficient provincial funding," the statement notes.

Professor W.F. Graydon, vice-president of the University of Toronto Faculty Association (UTFA), thinks the report leaves the government no middle ground. "If Davis is against closing any university, then he's publicly committed

to very substantial increases in funding, and I'm delighted by that," Prof. Graydon said.

Both OCUFA and COU are asking for an early statement by the government on the recommendations of the report. "The university community certainly doesn't want the report to disappear," said Patrick Wesley, executive director of OCUFA. "We're going to work to make sure it doesn't get lost in the shuffle." He said his organization has distributed copies of the report to professors across the province in an effort to generate informed and wide comment.

Provincial Liberal leader Stuart Smith said he'll push for better funding as recommended in the report once the legislature resumes Oct. 13. "Tying all the universities in a sack and waiting to see which ones can crawl out as is the present system is totally unacceptable." Continuing the *status quo* might be politically expedient, he said, since the average voter isn't aware of a university's quality, morale and ability to attract the best scholars, but he says he'll make sure the report is kept visible.

Sally Barnes, press secretary to the premier, said he'll be meeting with the cabinet to "take a hard look at the funding of post-secondary institutions." There will be no quick solution to the problem, she said, since "it's something that requires a very major discussion because it affects so many people".

New X-ray analysis system

will aid researchers refine composition of materials

A \$250,000 equipment grant from the Natural Sciences & Engineering Research Council (NSERC) for an X-ray fluorescence analysis system in the Department of Metallurgy & Materials Science will help researchers at the University refine the composition of materials as diverse as body implants, steel and alternate fuels.

All are formulated from precise and complex "recipes" that combine certain desirable elements and remove detrimental ones. Once the exact chemical composition of an alloy used in the manufacturing process has been identified, compensating elements in other alloys can be put to work to intensify or minimize the effects implied by the presence of a particular component.

An implanted tooth, heart valve or joint, for example, must be compatible with body tissues and at the same time be strong enough to function mechanically with other body parts and durable enough to resist corrosion. Metal alloys used in their manufacture have to be fully and exactly characterized, since trace element impurities can cause inflammation, rejection and even cancer. Yet biomaterials workers have up to now had no means of confirming manufacturers' descriptions of the components with which they have been working.

To find alloys that promote the absorption and storage of hydrogen, believed to be a viable alternate fuel, energy conversion workers have been fabricating inter-metallic combinations that include small amounts of elements that they believe enhance the process. But the necessity of farming out the task of analysis has slowed their work.

In the steel industry, where purity is becoming increasingly important, researchers have been hampered in their efforts to tailor the chemistry of slags. Slag rich in lime will attract phosphorus, an element that is potentially weakening because it can cause the formation of a low melting-point compound.

Steel is iron combined with a controlled amount of alloy that makes it harder, tougher and corrosion-resistant. The purer it is, the less that is needed for heavy products like cars, whose fuel efficiency increases as weight decreases, and the safer a demanding application like the Arctic pipeline will be.

Up to now, researchers who wanted to work on their own samples were obliged to use less reliable and more cumbersome "wet" chemistry techniques. The new system processes small samples that have been melted and then chilled to a solid state. Professor Alex McLean, who made the grant application, expects that new areas of research and joint projects with the steel industry will be possible now that his department has the backup of a sophisticated analytical facility.

His acquisition, the most expensive piece of equipment in the department, combines the analytical functions of an X-ray spectrometer and the calculation and memory functions of a micro-processor. It can quickly detect any element from uranium down to fluorine in the most minute concentration, print out the analysis and store the information. Its special virtues are high speed, sensitivity and the ability to analyze complex materials. At a touch of the keyboard parameters for the desired program are set in motion.

An added benefit of the installation, McLean notes, is the experience it will provide to engineering students on analytical equipment equivalent to that used in the laboratories and research centres of Canadian industry.

The facility will be located in the Department of Metallurgy & Materials Science but will also be used for research in mechanical engineering, electrical engineering, geology, dentistry and physics and will be available for use by researchers in other universities.

Understanding origin of ore deposits could save mining industry millions

by Judith Knelman

Colin Bray, a postdoctoral fellow in the Department of Geology, built cars as a boy in England. Now he'll be able to put his hobby to good use as he assembles \$83,000 worth of parts for apparatus he designed with Professor Edward Spooner.

It's called an integrated extraction and mass spectrometric facility for isotopic and chemical analysis of liquid/gas inclusions in minerals, and, as the length of its name suggests, it's a highly complex piece of equipment. It took the two four months to design the set of plans that persuaded the Natural Sciences & Engineering Research Council (NSERC) to approve an equipment grant. Now they are awaiting delivery of the components from England and the US.

There are perhaps five analytical extraction lines in existence with some of the capabilities of the one designed by Spooner and Bray to identify certain signatures in rock, but this should be the most sensitive. Their theory is that ore deposits deep in the earth can be detected through analysis of extractable liquids and gases in surface rocks. Spooner, a geologist, and Bray, an analytical geochemist, expect that the combination of their areas of expertise will enable them to operate in a manner that has never been tried before. They've based their machine on unpublished theoretical research by others.

A large part of their work is directed towards a fundamental understanding of the origin of ore deposits. As well, they expect to make a contribution to the mining industry, which could save millions of dollars in exploration drilling costs if the new technique works.

Spooner and Bray will be extracting liquids and gases trapped in inclusions (typically about 20 microns in size) found

in mineral grains. After releasing the contents quickly and without contamination in a vacuum line, they will systematically analyze the chemical and isotopic composition. They'll then have what they call the chemical signature, which should indicate what minerals lie below and how deeply they occur.

They'll also be able to identify the major and minor components of the solutions that formed certain types of ore deposit and using equipment purchased with the aid of a previous grant from NSERC for \$16,000 they'll be able to determine temperatures and pressures of ore formation.

A scientific understanding of mineralization will allow geologists to find ore deposits in other places where similar processes have occurred. It will also assist them to find out in detail what lies beneath the surface. "In the old days you could run across an ore deposit on the surface," says Spooner. "Now you have to look underground, and it can cost a quarter of a million dollars to drill a deep hole."

Up-to-date facts and figures

University of Toronto *Facts and Figures*, a brochure published by the Department of Information Services, is now ready for distribution. One copy each has been sent to principals, deans, directors and department chairmen. If you would like additional copies, please call Information Services at 978-2021. (By mistake, the current run says 1980 on the front. However the facts inside are up-to-date. If the printing goblins don't act up again, the next run will have the right year.)

Blow the rain!

Forced air may keep open-air stadiums dry

A weatherproof dome made from forced air flows is being tested and perfected by aerodynamics experts at the University of Toronto Institute for Aerospace Studies (UTIAS).

Professors A.A. Haasz and Ben Etkin are hoping that their "Air Roof" will prove useful for open-air stadiums. It's a protective covering of jets of air fanned at high speed to deflect particles of rain or snow sideways.

They've been questioned about their device by representatives of sports facilities from Montreal to Wimbledon, but, says Haasz, "everyone is sceptical unless you can show a prototype that really works". So the professors, along with architect Peter Goering, M.S. Yolles Partners, structural engineers, and RPA Consultants Ltd., who will look after marketing, have formed a consortium called Air Roofs Canada to finance an experiment they hope will demonstrate the feasibility of their design.

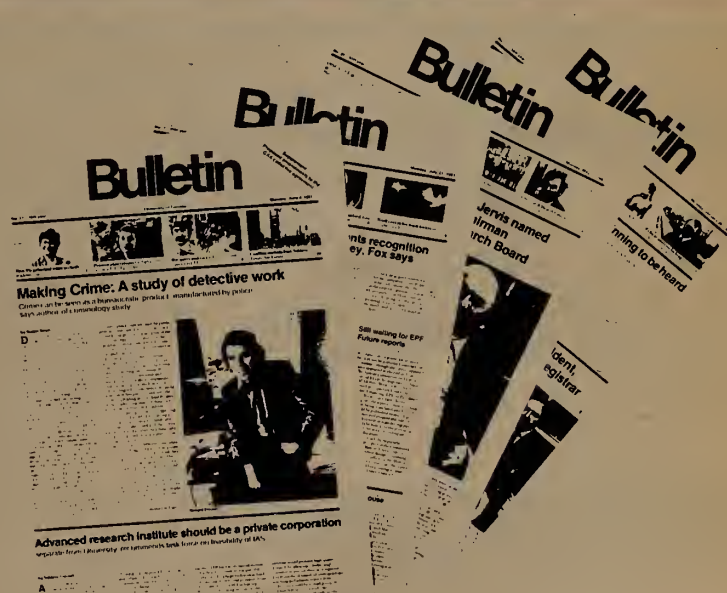
This fall and winter, a small section of open land about five metres in diameter next to the high-speed wind tunnel on the grounds of UTIAS will be kept rain and snow free by fans capable of moving 100,000 cu.ft. of air per minute. If this

test produces positive results, says Haasz, the group will mount a test on a larger area — perhaps 25 metres in diameter. A typical stadium has a diameter of about 100 metres.

As the larger-scale experiment would necessitate the use of a more powerful fan, the group is hoping for assistance from a prospective user. The funds required for the current study have been contributed by the members of the group themselves.

Previous research included wind-tunnel tests with very small-scale models, computer simulations and an outdoor installation known as the City Hall air curtain test in 1973, when a linear jet configuration fanned by the ventilating system of a parking garage kept precipitation off a strip about four metres long.

The application at UTIAS will be the first test under stadium conditions. If it's successful, U of T stands to gain, since it patented the device 11 years ago, after the first wind-tunnel tests. Under the arrangement made then, money coming in is to be channelled back to research within the University.



1981-82

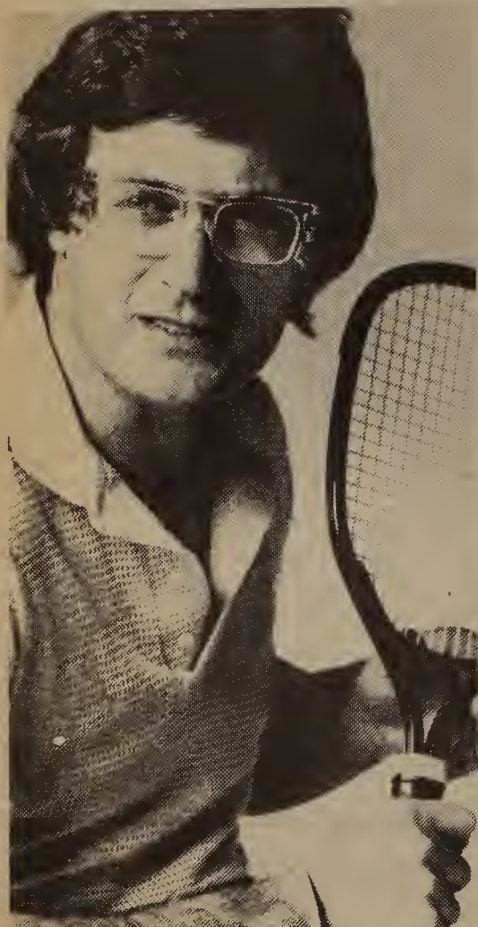
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September 21	January 11	April 12
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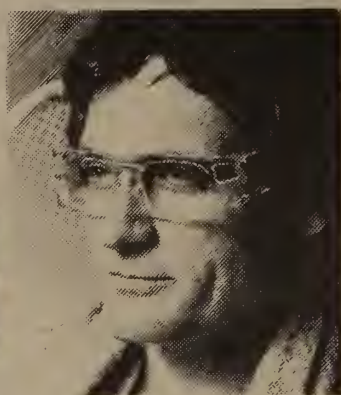
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(6)

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Student Record Services (3), Health Care
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Library Automation Systems (3)

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Zoology (1), Computing Services (3),
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(3)

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(\$27,750 — 32,650 — 37,550)
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Services (3)

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Systems Research Group (1)

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positions (3)

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(\$13,390 — 15,750 — 18,110)
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Psychiatrists can predict dangerous behaviour

say U of T researchers at METFORS

by Judith Knelman

The ability of psychiatrists to predict dangerous behaviour in accused criminals has been questioned in scholarly literature of the last few years, but U of T researchers working at the Metropolitan Toronto Forensic Service (METFORS) think they've now demonstrated that it can be done.

Professor C.D. Webster, Department of Psychiatry, who is cross-appointed to psychology and is a special lecturer in criminology, says a recently completed investigation has shown some correspondence between prediction and outcome. Until now most studies have suggested that clinicians cannot predict dangerousness. Though it's agreed that about half of any group of accused criminals is potentially dangerous, the identification of that half is a thorny question. One article calls it "Flipping Coins in the Courtroom".

In fact, Prof. Webster says, in New York state, as a result of evidence by American sociologist H.J. Steadman in 1974 that prisoner-patients who had been detained as potentially dangerous were in fact relatively harmless after their release, psychiatrists do not make predictions about dangerousness during ordinary assessments ordered by the court.

The issue is a complex one that balances the liberty of mentally disordered prisoners and the protection of society. If a convicted criminal is eventually set free because he's been deemed to be not dangerous and then commits another violent act, psychiatrists are seen as having failed society. But the alternative — detaining patients unnecessarily — is a drastic one.

Judges in Canada may ask for predictions of dangerousness to decide whether to impose an indefinite sentence under dangerous offender legislation. When decisions have to be made about the release of patients detained in hospitals for the criminally insane who were found to be unfit to stand trial or not guilty by reason of insanity, psychiatric opinion is particularly important.

The tendency of the courts to want "yes or no" answers puts psychiatrists in an impossible position, Webster says. But his study offered a four-point rating scale as to the degree of dangerousness and a chance to identify the subject's target as himself or others.

Webster and two U of T doctoral candidates, R.J. Menzies and M.A. Jackson, describe their work in a book now in press, *Clinical Assessment before*

Trial: Legal Issues and Mental Disorders. In October he'll be presenting the findings of a team that also includes Diana Sepejak, a METFORS research scientist, and Dr. F.A.S. Jensen, associate director at METFORS and professor of psychiatry. Funding for the research came from the Centre of Criminology, the Ontario Ministry of Health and the federal Ministry of Justice.

Their work indicates that the violence inherent in the immediate criminal charge is not a significant predictor of future dangerousness. But the offence pattern that preceded the charge is highly relevant. A two-year follow-up of assessments showed that subjects without any violence in their criminal history tended to remain free from expressing high levels of dangerousness. Previous hospitalization was not a significant indicator of future dangerousness, but previous incarceration was. Age, sex and employment did not prove to be trustworthy predictors.

The Toronto study used a wider range of subjects than most similar investigations. Every person being assessed had been charged with a criminal offence, but the seriousness varied from theft under \$200 to murder, and conviction was not a foregone conclusion. One of the difficulties of the study was that those who were not convicted and restrained had more chance to commit dangerous acts than those who were imprisoned after the assessment.

Still, 56 percent of the subjects predicted to be dangerous by a clinical assessment team at METFORS proved accurately diagnosed, and 64 percent of those judged harmless proved so two years later.

"We have shown that there is some correspondence between prediction and outcome," said Webster. "The correlation is low, but it's there." The next step, he said, is to see why the correlation is higher for some psychiatrists than for others. To figure out on what basis the accurate predictions are made, researchers will use videotapes of psychiatrists interviewing patients being assessed for the judicial system.

The problem of predicting dangerousness for the courts will be discussed in a lecture series at the Clarke Institute, of which METFORS is a branch. It begins on Oct. 1 when Professor Cyril Greenland of McMaster University will speak on dangerousness and mental disorders. The series of 10 lectures continues through June.

Arts and science ups grade requirement

The Faculty of Arts & Science is requiring a higher grade average from students entering from high school this year.

At the St. George campus, the entrance requirement has been raised from 73.5 percent to 74.5 percent, the highest ever. At Erindale and Scarborough Colleges it has gone from 60 to 65 percent.

The lowest level at St. George in recent years was a required average of 70 percent for 1978-79. It's been creeping up, says Dean Arthur Kruger, as a result of grade inflation in high schools and the growing number of applicants. He said a significant number, perhaps as high as one in seven, of applications this year has been coming from visa students.

Kruger is aware of no significant difference in achievement of first-year students of whom different averages were required. "We've never done a study, but from the feedback I get there's no evidence that the year we went down to 70, for example, was a disaster in the classroom."

Kruger expects applications to increase again next year, before the baby boom levels off. However, the plan at St. George is to cut enrolment gradually from 11,000 to 10,200 in arts and science. "With the existing resources we can't accommodate 11,000 students," he says, "though if we got more money from the University we could."



CHRIS JOHNSON

Surely you joust

Axes and flails, pikes and pails were the weapons of the day as the Society for Creative Anachronism had at it recently at a peasant's tourney on Philosopher's Walk. U of T graduates Ian Schofield (left) and Torbin Zimmerman discarded their noblemen's swords for the commoners' axes for the occasion. The society has 15,000 members across North America; the Toronto group is based at U of T and comprises U of T students and alumni.

Applications being accepted for carrels and book lockers

Applications for carrels and book lockers for faculty members and graduate students, Divisions I and II, for the fall/winter session will be received until September 18.

Application forms and information sheets are available at the circulation desk, 4th floor, Robarts Library.

As in the past, assignments for graduate students will be made on the basis of

priorities which have been decided in consultation with the School of Graduate Studies.

Assignment of carrels and book lockers will begin on Oct. 13. For further information, telephone the carrel office (978-2305).



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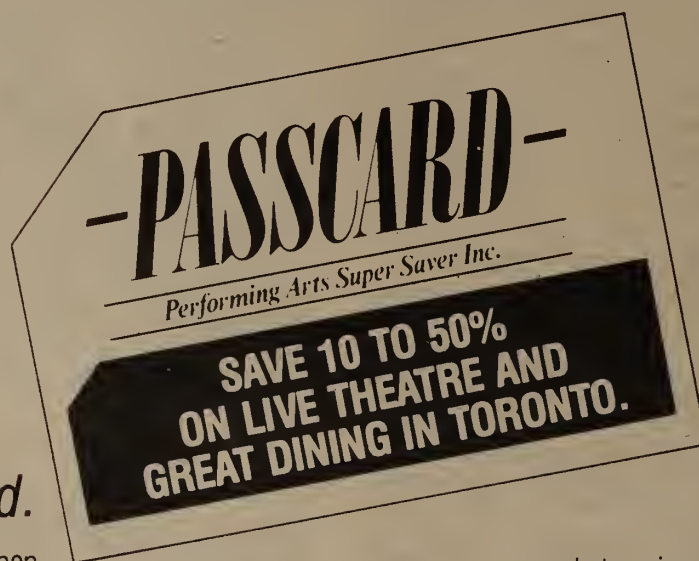
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New surgical implant designed by dentistry professor allows bone to graft with metal

A University of Toronto scientist has invented a porous-surfaced surgical implant for use in such applications as a hip-joint replacement which allows human bone to graft with the metal implant.

Dentistry professor Robert Pilliar says his design for the porous surface was originally licensed to Canadian Oxygen Ltd. and has since been sub-licensed to an American company, DePuy, a division of Bio-Dynamics in Indiana.

Professor Pilliar started tests on the porous-surfaced implants 12 years ago. Since then the design of the porous surfacing has been studied to determine the optimum pore size and conditions for bone ingrowth and the response of bone to this biologically-attached implant. The result of bony ingrowth is a stable artificial hip joint without the problem of implant loosening, the major complication associated with such implants today, says Professor Pilliar, who has been cross-appointed to the Department of Metallurgy & Materials Science to do research of this nature.

His design is in the clinical evaluation stage. DePuy is selling hip-joint replacements with Professor Pilliar's porous surface to the US market and so far results are encouraging, Dr. Pilliar says.

Dr. Pilliar is concerned there may be some problem with bone remodelling adjacent to the biologically-attached implants. Animal studies have shown loss of bone with time underneath the stiff metal parts resulting from the stresses normally carried by the bone being transferred through the metal implant. Real bone needs a certain amount of critical stress to stay healthy and retain its normal architecture, Dr. Pilliar explains, and it may be that the well-fixed replacement joint could work too well by protecting the bone underneath from the stress it needs to function properly. Proper design of implants with porous surfaces is essential to avoid undesirable remodelling and this is part of the biomaterials research program presently under way at the University.

Additionally, the more basic question of just what amount of critical stress is required to keep real bone healthy is being studied. Their research hasn't come up with the answer to this question yet, Dr. Pilliar says.



A porous-surfaced hip implant.

Meanwhile, radiographic examination of patients using the porous-surfaced hip-joint replacements has not indicated bone loss associated with these implants.

Dr. Pilliar's design can also be used on the heart pacemaker electrodes that interface against heart muscle. Ordinarily, the action of the electrode contacting the heart muscle produces a buildup of scar tissue that inhibits electrical stimulation of the heart so the electrode becomes less efficient with time, Dr. Pilliar says. But the use of a porous-surfaced electrode allows tissue to grow into the tip of the electrode thereby causing it to move with the heart muscle. This avoids the trauma of the electrode thumping up against the heart muscle, less scar tissue is developed, and the sensing characteristics of the pacemaker are therefore much more efficient Dr. Pilliar says.

He says his design may also be used to stabilize permanent implantable teeth, although he has not found a way of doing this so that the necessary anatomical seal about the artificial tooth is achieved. (This seal is provided by the body at the point where teeth and gum meet in order to protect the gums from germs.) This use of the design is currently being investigated at U of T.

The hip-joint replacement (which looks like a metal T-bone steak and is made from either stainless steel, cobalt or titanium-base alloys) was designed originally for patients over 65 suffering from arthritis. Because of the age of the users, the replacement joints were not expected to last long. However, the success of hip-joint replacements in older patients led to use by younger patients. Once this occurred, loosening became a problem with the replacement parts because they were being used for longer periods of time and by more active people. This problem created a demand for Dr. Pilliar's porous surface design.

Dr. Pilliar's research is being supported by DePuy, Canadian Oxygen, the Medical Research Council, the Atkinson Foundation and the Natural Sciences & Engineering Research Council of Canada.

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A message from the U of T police

What's one of the best kept secrets on campus? No, it's not where to find the quietest place to study or a 25¢ coffee; it's the location of the University Police Office. Now the secret is out! The office is perched on the corner of Spadina Avenue and Willcocks Street. The sign out front identifies it only as 581 Spadina.

The building dispenses about a dozen policemen every morning. They head out to do one of their main duties; they patrol the University ensuring that everything is functioning smoothly. The officers

make checks of all campus buildings. They take note of any abnormalities such as broken windows, unlocked doors, and potential hazards. The police keep an eye on campus activities to ensure the safety and well-being of the students and staff.

The University Police are appointed special constables for the St. George campus and have normal police powers. They investigate criminal as well as non-criminal offences and work in close liaison with the Metro Police Department. Most of the University police officers have

former police experience and training. All of them receive on-going training in up-to-date police methods while employed with the University.

The rough boundaries of the St. George campus seem to shield its occupants from the hustle and bustle of downtown Toronto. This false sense of security sometimes leads people to be less protective of their personal belongings. The University doesn't have an invisible wall around it, and we experience the same kinds of crime and troubles as does the rest of the city. If you leave your purse or wallet unattended, or your bike unlocked, chances are it will be stolen. The best way to combat crime is to LOCK EVERYTHING!

If you become a victim of any crime, call the police right away at 978-2323 or 978-2222 in an extreme emergency. An officer will attend to your problem as expeditiously as possible.

Should you suffer a loss, a good place to start your search is the police office. The University Police, in conjunction with the Metro Police Department at 255 Dundas St. W., operate a lost and found department. Enquiries should be made at both locations.

Graduate student nominations open for seats on SGS council

Due to an insufficient number of student nominations from all divisions during the 1981 spring elections for seats on the Council of the School of Graduate Studies, by-elections will be held to fill two seats in Division I, one seat in Division II, one seat in Division III and one seat in Division IV. Disciplines in

each division are listed on page 12 of the 1981-82 SGS Calendar.

Nomination forms may be obtained at graduate department offices, the GSU Office or the School of Graduate Studies. Student nominations will be open from Sept. 8 at 9 a.m. until Sept. 18 at 4 p.m.

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Search committees for botany, history, philosophy, statistics

Search committees have been established in the Faculty of Arts & Science to recommend chairmen for the following departments:

Department of Botany

The membership of this committee is: Dean A.M. Kruger, Faculty of Arts & Science, (*chairman*); Professors Czeslawa Nalewajko, Life Sciences, Scarborough College; M.C. Heath, Department of Botany; S.C.H. Barrett, Department of Botany; K.H. Rothfels, Department of Botany; W.G. Filion, Life Sciences, Erindale College; W.G. Friend, Department of Zoology; Jacob Spelt, vice-dean, Faculty of Arts &

Science; SGS representative to be named.

Department of History

The membership of this committee is: Dean A.M. Kruger, Faculty of Arts & Science, (*chairman*); Professors W.B. White, Humanities, Erindale College; A.I. Silver, Department of History; M.A. Klein, Department of History; J.C. Cairns, Department of History; W.A. Goffart, Department of History; F.J.C. Griffiths, Department of Political Economy; R.H. Farquharson, associate dean, Faculty of Arts & Science; T.M. Robinson, vice-dean, SGS.

Department of Philosophy

The membership of this committee is: Dean A.M. Kruger, Faculty of Arts & Science, (*chairman*); Professors J.F. Hunter, Department of Philosophy; W.J. Huggett, Humanities, Erindale College; B.F. Brown, Department of Philosophy, St. Michael's College; J.M. Wheatley, Department of Philosophy; F.E. Sparshott, Department of Philosophy, Victoria College; J.N. Grant, Department of Classics; R.H. Farquharson, associate dean, Faculty of Arts & Science; R. Craig Brown, associate dean, SGS.

Department of Statistics

The membership of this committee is:

Dean A.M. Kruger, Faculty of Arts & Science, (*chairman*); Professors Audrey Feuerverger, Department of Statistics; Irwin Guttman, Department of Statistics; Philip McDunnough, Department of Statistics; P.L.J. Ryall, Department of Statistics; T.E. Hull, Department of Computer Science; Jacob Spelt, vice-dean, Faculty of Arts & Science; J.F. Keffer, associate dean, SGS.

Nominations may be made to the chairman of the committees, either verbally or in writing, or to any member of the committees.

THE GESTALT INSTITUTE OF TORONTO

INTENSIVE TRAINING PROGRAMME FOR LEADERS AND THERAPISTS

This programme offers a one, two or three year intensive personal growth and training experience in Gestalt therapy.

The full programme is a three year training experience, the first two of which emphasize personal growth and the learning of Gestalt theory and method and the third is an internship, providing practical experience.

The first year of the programme is streamed into two groups; one designed for therapists with a clinical background, the other intended for leaders with a variety of backgrounds (education, religion, organisational development, sociology, politics, the arts).

INTENSIVE PERSONAL GROWTH

This five month Gestalt group has been developed for individuals interested in increasing self and interpersonal awareness and contact. The format is experiential and focuses on individual and group exercises. Intensive personal work is also encouraged within the group context.

The Gestalt Institute of Toronto offers several streams of training in the application of Gestalt theory and method to psychotherapy and group leadership.

Training programmes range in level from the introductory to the advanced, and in duration from a half year to three years. Programme fees are determined by the number of hours and the level of training.

GROUP LEADERSHIP TRAINING – FIVE MONTH PROGRAMME

The goal of this programme is to assist professionals in all fields to integrate what is useful of the theory and practice of Gestalt into the fabric of their own work.

The programme is designed for people in all occupations and professions relating to the facilitation of human growth and develop-

ment, including supervisors, managers, trainers and group leaders.

EDUCATORS AND COMMUNICATORS PROGRAMME

This five month programme is designed for professionals who wish to be more effective communicating in educational or similar contexts.

The Gestalt model of human behaviour provides a structure, independent of subject matter, for the study and enhancement of learning processes. A central guiding principle is that the personal nature of the learning process requires the teacher to be committed to personal development.

INTRODUCTORY TRAINING PROGRAMME FOR THERAPISTS

This programme is intended for individuals in the helping professions who wish to learn the theory and method of Gestalt Therapy without making the deep commitment required in the Intensive Training Programme.

Participants in this training group will meet for approximately twenty-five Friday mornings and four weekend seminars through the academic year.

The Gestalt Institute of Toronto is a non-profit educational institute, supported by fees which are tax deductible.

For more information and application, please contact Martha Lindsay, Coordinator, The Gestalt Institute of Toronto; 37 Cecil Street, Toronto, Ontario M5T 1N1 (416) 977-0844.

Research News

SSHRC New Strategic Grants Themes

The Social Sciences & Humanities Research Council has recently announced three new themes for its strategic grants program: the family and socialization of children; the human context of science and technology; and Canadian studies.

The aim of the family and socialization of children program is to study the impact of differing family structures in Canadian society on children and to examine the interrelationships between the family and other agents in the socialization of children. Grants will be given for three basic programs: seed money grants for the development of proposals, special research grants, and research workshops.

The purpose of the human context of science and technology program is to promote and assist research and scholarship which contribute to an understanding of the full ramifications of the cultural, ethical and social dimensions of science and technology in contemporary society. Again, grants will be given as seed money for the development of proposals, special research grants, and research workshops.

The Canadian studies area is a research tools program aimed at the further development of Canadian studies by making more accessible primary and secondary source materials essential for research in this area. To this end, this program supports projects which will (1) make accessible hitherto not readily

available materials in libraries and archives through the cataloguing of library collections or the preparation of inventories or guides to archival collections;

(2) facilitate access to sources through the preparation of bibliographies, guides to research and other finding aids considered of first importance for advanced research in Canadian studies.

Eligibility regulations differ from program to program. For 1981 only, a special deadline of *October 1* has been set. For further information, telephone ORA at 978-2163.

The council has continued its population aging strategic theme, which encompasses research concerned with the problem of the structure of an aging society, as well as research concerned with the understanding of social factors affecting individual adjustment to aging. Funding is available in seven areas: special research grants, postdoctoral fellowships, reorientation grants, research workshops, institutional awards, research initiatives, and research tools and facilities. Deadlines differ for each area. For further information, telephone ORA at 978-2163.

Canada Council Killam Program

The council has recently announced that it will not offer research associateships, which had been aimed at young postdoctoral scholars, in its upcoming competition. The associateships have been suspended for one year subject to recon-

sideration in 1982, in part due to budgetary constraints.

The terms of the research fellowships program, designed primarily to meet the needs of research scholars in Canadian universities, have also been changed by establishing a ceiling of \$50,000 on the stipend portion of the award. The fellowship will now include full or partial salary replacement to a maximum of \$50,000 plus fringe benefits. The deadline for applications at the agency is *October 15*.

Finally, beginning in 1982, only one Izaak Walton Killam memorial prize will be awarded annually. The new \$50,000 prize, which honours outstanding lifetime achievement in the natural sciences, medicine or engineering, was launched in 1981 with three awards. The deadline date for nominations is *October 15*.

NSERC Demonstrating and Instructing — Postgraduate Scholarships, Postdoctoral Fellowships and 1967 Science Scholarships
The Natural Sciences & Engineering Research Council has just announced that the regulation governing emolument from other sources has been modified to

permit scholars to demonstrate, instruct or accept other employment for a maximum of 300 hours per annum instead of 200 hours as in the past. This revised regulation applies to postgraduate scholarships, postdoctoral fellowships and 1967 science scholarships and takes effect on September 1. As in the past, the maximum period of 300 hours must include preparation time and office hours as well as contact and marking time related to teaching.

Upcoming Deadlines

Connaught Fund special research program grants: *September 12*

Connaught Fund senior fellowships in the humanities and the social sciences:

October 1

MRC program grants: *October 1*

MRC subject research development grants: *October 1*

MRC symposia and workshops:

October 1

NSERC major installation grants:

October 1

SSHRC leave fellowships: *October 1*

SSHRC aging population institutional grants: *October 1*

PhD Orals

Since it is sometimes necessary to change the date or time of an oral examination, please confirm the information given in these listings with the PhD oral office, telephone 978-5258.

Friday, September 11

Bernard Muir, Centre for Medieval Studies, "An Edition of British Library Manuscripts Cotton Galba A. XIV and Cotton Nero A. II (FF.3-13)." Prof. E. Colledge. Room 309, 63 St. George St., 2 p.m.

Tuesday, September 15

Craig Graham Fraser, Institute for the History & Philosophy of Science & Technology, "The Approach of Jean d'Alembert and Lazare Carnot to the Theory of a Constrained Dynamical System." Prof. J.Z. Buchwald. Room 309, 63 St. George St., 2.30 p.m.

Thursday, September 17

Jik Chin, Department of Chemistry, "Kinetics and Mechanisms of Catalysis: (I) Hydrolysis of Substituted Meleamic Acids. (II) Thiamin Catalyzed Decarboxylation of Pyruvic Acid." Prof. R.H. Kluger. Room 309, 63 St. George St., 10 a.m.

Friday, September 18

Mary Patricia Farrar, Department of Education, "Defining and Examining Instruction: An Analysis of Discourse in a Literature Lesson." Prof. J. Heap. Room 309, 63 St. George St., 10 a.m.

Friday, September 25

Joyce Nesker Simmons, Department of Education, "Behavioural Disturbance in the School: A Study of the Interactional Nature of Deviance." Prof. E. Sullivan. Room 309, 63 St. George St., 10 a.m.

Richard C. Taylor, Centre for Medieval Studies, "The Liber de Causis: A Study of Medieval Neoplatonism." Prof. M. Marmura. Room 309, 63 St. George St., 2 p.m.

Paul E. Dutton, Centre for Medieval Studies, "Awareness of Historical Decline in the Carolingian Empire 800-887." Prof. B. Stock. Room 111, 63 St. George St., 2 p.m.

Monday, September 28

Susan Keefe, Centre for Medieval Studies, "Baptismal Instruction in the Carolingian Period: The MS. Evidence." Prof. R.E. Reynolds. Room 111, 63 St. George St., 2 p.m.

Tuesday, September 29

Mark Edward Levine, Department of Biochemistry, "Studies on Glycolipids of Testis, Spermatozoa and Brain." Prof. R.K. Murray. Room 309, 63 St. George St., 10 a.m.

Wednesday, September 30

Patricia Cleland, Department of Education, "Word Consciousness, Meaning and Learning to Read." Prof. D. Olson. Room 111, 63 St. George St., 2 p.m.

Department of Information Services

Seminar for Newsletter Editors

Production in a Nutshell

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Thursday, September 24

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Further information:

Elizabeth Wilson, Director, Information Services, 978-2106

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Teaching News

EDUCOM and EDUNET

Institutional support for faculty use of the computer in research and teaching takes various forms: the most obvious of these are the University's Computing Services and the Computer Systems Research Group. General information and advice about UTCS and its facilities are available from the faculty liaison officer, Frank Spitzer (978-4619). At CSRG, Professor Ken Sevcik (978-6219) is the University's representative for EDUCOM, a network of computing services developed at institutions of higher education in Europe and North America. Likewise, EDUNET is an international network of colleges and universities willing to share their computer-based resources for higher education and research. Among the benefits of institutional membership in these organizations are the availability of research and teaching software packages, the possibility of supplier discounts on small computers, terminals, modems and software; and the opportunity to share local packages with colleagues at other member institutions. Enquiries about these network facilities are invited. Contact Prof. Sevcik at 978-6219.

1981-82 Educational Development Grants Awarded

At its May 1981 meetings, the University's Advisory Committee on Educational Development reviewed over 40 faculty submissions for educational development grants to support projects and studies designed to enhance the quality of teaching and learning. The advisory committee awarded 20 individual grants to successful applicants — these are listed in *Options II* — and also granted three major divisional awards in support of initiatives sponsored by divisional heads.

Following a comprehensive review of the department's specialist program, physics undertook to redesign the

second year laboratory course. The award of an educational development grant will allow the revision and rewriting of some 50 experiments by a faculty team of physicists. The successful proposal was developed at the suggestion of the chairman, Professor R.L. Armstrong, by the director of undergraduate affairs, Professor A.W. Key.

Numerous local initiatives in East Asian studies culminated in an educational development award to the new chairman, Professor R.W.L. Guiso, who will use his grant to support individual projects and to develop and present a staff seminar on "Effective Teaching and Learning".

At Erindale College, the Academic Affairs Committee approved the establishment of a Subcommittee on Learning & Teaching which in turn prepared an application (through the vice-principal, academic, Professor R.W. Van Fossen) for "seed funding" for a Learning-Teaching Centre at the college. The grant will be used to hire a science tutor and an educational consultant (on a part-time sessional basis) who are "to help create, monitor and refine" the activities of the centre. These include study skills programs, writing laboratory development and workshops for teaching assistants.

Meeting the news media

Guidelines for responding to newspaper, radio and television reporters, prepared by the public relations office for U of T faculty and staff, are now available.

If you wish a copy of the brochure, please contact Nona Macdonald or Mary King at 978-2103 or 978-2105.

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20-year Simcoe Hall veteran takes over oral history project

by Judith Knelman

Work is to be speeded up this year on a documentary of taped recollections and impressions communicated by selected long-time faculty and staff members of the University.

The Oral History Project, which has over the last 10 years been collecting interviews of retired or retiring personnel, has been a peripheral activity of the University library's archives division. Now it has a director with a mandate to complete a sequence of interviews that shed light on the evolution of the unicameral system of University governance.

J.H. Sword, who leaves his post as acting director of the School of Continuing Studies at the end of October, has accepted a part-time post as head of the project. Sword is himself a witness to the changeover, having spent 20 years at Simcoe Hall, including two terms as Acting President, in the midst of the turmoil that led to the revision of the University's governing bodies. In 1980 he retired as special assistant to the President, in charge of institutional relations.

"He was right there during so many crucial changes," says Chief Librarian R.H. Blackburn, who initiated the Oral History Project. "This is one reason I think he is so valuable as director."

Technically an archivist's job is not to create records but to gather and preserve them, Blackburn explains, so the project has not been a high-priority item until now. But he feels it's important to reach the administrators and professors who were witnesses to the political makeover while they are still willing and able to recall significant events, experiences and

encounters for posterity.

Not all are instantly willing. One of Sword's tasks will be to persuade people to grant the interviews. The subject has the chance to check transcripts for factual errors, but not to do literary editing. The right is given, though, to restrict access, and before some memoirs can be examined permission must be obtained, within a specified period, from the subject or his family.

Sword will also have to find and brief interviewers, who must do research in the University archives and elsewhere prior to the interview and then conduct a preliminary session with the person in order to map out the territory to be covered in the taping. "That way the subject gets a week or so to look up dates and mull over what he wants to say or doesn't want to say," says Blackburn.

Do people tell all? "The interviewers say some do and some don't," the chief librarian reports. "But this isn't supposed to take the place of written history — it's a supplement. The goal is to flesh out the necessarily legalistic, quantitative emphasis of official minutes, reports and formal correspondence." The emphasis is on personalities, opinions and anecdotes.

Already close to 50 people who knew the University well have been interviewed, among them deans, secretaries, department heads, faculty members and one student, a retired farmer who said his life was changed by a rural extension course in 1927-28 highlighted by a one-week visit to the Toronto campus.

In the collection is a description by Mossie May Kirkwood, who was dean of women at University College, principal of St. Hilda's and a professor of English,

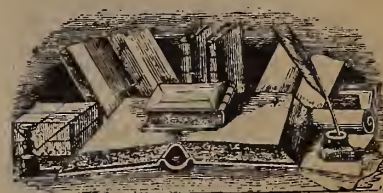
of the struggles of a woman in the man's world of university administration. And the late Archibald Huntsman, a medical doctor who became a professor of biology at the University of Toronto and director of the marine biological station at St. Andrews, NB, talks on the tapes about medical education at the turn of the century.

There are also interviews with such luminaries as Chief Justice Bora Laskin, architect Eric Arthur and economist Vincent Bladen, who headed a Royal Commission on the automotive industry in 1960.

The project has inspired at least one book so far, *Bladen on Bladen*, published in 1978. Professor Bladen was moved to produce his own set of memoirs after receiving a meticulous transcript of the tape of an interview that included questions, laughter, chuckles, lame comments and halting sentences, he explains in the foreword to his book. In obvious sympathy with the objectives of the project, he says he has set down what may be inaccurate recollections because "my myths may be more revealing of the nature of the University than objective history based on documented facts".

Plans call for another 50 interviews by the end of 1984. Ideal length, Blackburn says, is two to three hours. Beyond that, transcription, storage and manipulation of material become burdensome. The collection of interviews has already been used by several researchers including Professor Robin Harris, University historian. The master tapes, cassette copies and transcripts are on deposit in the University archives.

Friends of Trinity library need your unwanted books



The Friends of the Library, Trinity College, are making plans for their sixth annual book sale to be held at the college on Oct. 21, 22 and 23. All kinds of books, hardcover and paperback, old and new, are needed.

Proceeds are given directly to the college library.

For more information call the Office of Convocation (978-2651) or Jean Elliott (762-7079). Book pick-ups will be arranged.

ISC needs volunteers for English program

The International Student Centre requires the assistance of facilitators for its English program for foreign students, beginning October 1981.

Small classes (maximum 10) will meet for one two-hour session each week. The focus will be on spoken English, especially the use of idiom and grammar. Content will be determined by the needs of the students. Sensitivity to, and interest in, other cultures is essential but experience in teaching, while desirable, is not necessary.

Orientation workshops for volunteers will be held during September.

For additional information, please telephone the ESL coordinator, Ann Fuller, at 978-2038.

Books

A tribute to an outstanding philosopher

Pragmatism and Purpose: Essays Presented to Thomas A. Goudge
L.W. Sumner, J.G. Slater and F. Wilson (eds.)

University of Toronto Press

This collection of essays is a fitting tribute to an outstanding scholar, Thomas A. Goudge. Goudge made important contributions to two areas of philosophy: the thought of C.S. Peirce and the philosophy of biology. This *festschrift*, which is divided into two parts, contains essays in both of these areas. The titles of the parts are taken from the titles of Goudge's two major works: *The Thought of C.S. Peirce* and *The Ascent of Life* (a book on the philosophical issues arising from the modern synthetic theory of evolution). Both parts contain a lead essay.

David Savan, in the lead essay in part one, examines the central thesis of Goudge's book *The Thought of C.S. Peirce*, namely, that there is an irreconcilable conflict in Peirce's thought between naturalist and transcendentalist tendencies. Savan argues that Goudge is correct in his assertion of a tension between these tendencies but is incorrect in his claim that there is a "fundamental contradiction" in Peirce's thought.

Fred Wilson, in the lead essay in part two, examines Goudge's analysis, in *The Ascent of Life*, of scientific explanation as it occurs in evolutionary biology. Goudge

argued that evolutionary biologists use two kinds of explanation — integrating and narrative — which do not conform to the deductive-nomological ideal set out by logical empiricist philosophers of science. Wilson, who holds that the deductive-nomological model is a standard of excellence for all scientific explanation, argues that Goudge's position is not inconsistent with the deductive-nomological ideal. According to Wilson, the importance of Goudge's position lies in his having drawn attention to the empirical fact that actual explanations given by scientists do not very often conform to the ideal and yet they are explanatory in that they increase scientific intelligibility. They are, however, incomplete ("gappy"). This incompleteness serves to sketch a research program for eliminating acknowledged gaps.

Some of the remaining essays examine, clarify or criticize Goudge's views. A considerable number, however, address new issues or expand, in new ways, on old issues. For example, Hanz Herzberger examines Peirce's reduction thesis that all higher polyadic relations are formally reducible to triads and no further reduction is possible. He argues that a qualified reduction theorem can be validated within a 'bonding algebra' consolidated, by Herzberger, from Peirce's mature logical writings. Rosenberg's examination of the relationship between

evolutionary biology and population genetics is an example of an essay that expands in new ways on older issues. He argues that population genetics, while useful to evolutionary theory, is not essential to it.

The collection not only brings well deserved recognition to a deep and creative thinker but also makes a valuable contribution to C.S. Peirce studies and the philosophy of biology.

Paul Thompson
Division of Humanities
Scarborough College

Credit where credit is due

In our story on the new "telecourse" in moral philosophy being offered at Scarborough College and the School of Continuing Studies this year (*Bulletin*, Aug. 24) we neglected to mention that Professor R. Paul Thompson of Scarborough's Division of Humanities is the course's academic coordinator. Prof. Thompson worked with TV Ontario, which is broadcasting the *Social Issues* series, for over a year to develop the course and prepared the study guide. Our apologies to Prof. Thompson.



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Events

Lectures

Tuesday, September 8

Cardiac Anesthesia — Past, Present, and Future.

Prof. Joel A. Kaplan, Emory University Clinic, Atlanta; Harry Shields Memorial Lecture. 3153 Medical Sciences Building. 5 p.m. (Anaesthesia)

Wednesday, September 9

Survivors of the Holocaust.

Dr. L. Eitinger, University Psychiatric Clinic, Oslo. Auditorium, Clarke Institute of Psychiatry. 12 noon. (Psychiatry)

Thursday, September 10

The New Ethnicity and Human Rights.

Michael Novak, American Enterprise Institute, Washington, DC; part of program, Ukrainian Experience in Canada: 1891-1981. Auditorium, Medical Sciences Building. 8 p.m. (Community Relations, Chair of Ukrainian Studies, Chair of Ukrainian Studies Foundation and Ukrainian Librarians Association of Canada)

Colloquium

Thursday, September 17

Incommensurate Phases — Peaceful Coexistence of Two Periodicities.

Dr. B.I. Halperin, Harvard University. 102 McLennan Physical Labs. 4.10 p.m. (Physics)

Concerts

Saturday, September 19

Patricia Rideout, Contralto.

Program includes works by Purcell, Webern, Chausson, Pierné, Britten, Sandoval and Somers. Concert Hall, Royal Conservatory of Music. 8.15 p.m. Information, 978-3771.

Sunday, September 20

Conservatory Strings.

Conductor John Barnum, program includes works by Fodi, Vaughan Williams, Coulthard and Dvorak; first of five ensembles Sunday concert series 1981-82 by students in ensemble program at Conservatory. Concert Hall, Royal Conservatory of Music. 8.15 p.m. Information, 978-3771.

Meetings & Conferences

Wednesday, September 9

Task Force on Biotechnology.

Open meeting of Research Board task force for discussion paper presentation by Dr. Lewis Slotin, policy adviser in MOSST, of the MOSST task force report, "Biotechnology: An Approach to National Development". All those engaged in any aspect of "biotechnological research" are urged to attend and make their views known. 5227 Medical Sciences Building. 3 p.m. Information, 978-2163.

Friday, September 11

Research Day 1981: Psychiatry.

Sixty 15-minute presentations on significant research in pure and applied science. Warrior's Hall, lecture theatre and room 3615 (floor E3), Sunnybrook Medical Centre. 9 a.m.

Registration at 8.30 a.m. in reception area. Information, Research office, Clarke Institute of Psychiatry, 979-2221 Ext. 455.

(Psychiatry and Clarke Institute)

Saturday, September 12

Anorexia Nervosa.

Symposium Sept. 12 and 13 at the Chelsea Inn.

Saturday, September 12

An Integrative View of Human Illness and Disease, Dr. Herbert Weiner, Albert Einstein College of Medicine, New York, 9.15 a.m.;

The Multidetermined Nature of Anorexia Nervosa, Dr. Paul Garfinkel, Department of Psychiatry, 10 a.m.;

The Pathogenesis of Anorexia Nervosa, Dr. Arthur Crisp, St. George's Hospital Medical School, University of London, 11 a.m.;

The Endocrinology of Anorexia Nervosa, Dr. Gregory Brown, McMaster University, 2 p.m.;

Sociocultural Factors in the Development of Anorexia Nervosa, Dr. David Garner, Department of Psychiatry, 2.45 p.m.;

The Medical Management of Anorexia Nervosa, Dr. Katherine Halmi, Cornell University Medical College, 3.45 p.m.

Sunday, September 13

Anorexia Nervosa: An Historical Perspective, Dr. Hilde Bruch, Baylor College of Medicine, 9 a.m.;

The Family Configuration of the Anorexic Patient: A Multiple Picture, Dr. Vivian Rakoff, Department of Psychiatry, 9.45 a.m.;

The Management of Anorexia Nervosa, Dr. Gerald Russell, University of London, 10.45 a.m.

Registration fee \$100, psychiatry residents \$30; includes luncheon. Limited number of places available. Registration Saturday morning at 8.15 a.m. in the Rosetti room, Chelsea Inn.

Information, Continuing Medical Education, 978-2718.

(Psychiatry and Clarke Institute)

Tuesday, September 15

Geriatric Medicine for the Practising Physician.

Two day conference Sept. 15 and 16 at the Sheraton Centre. Topics include gynaecology of the elderly, psychiatric management of the aged and depression in the elderly. Keynote speaker will be Dr. F. McGlone, president of the American Geriatrics Society. Luncheon address on Sept. 16 is "Medical/Legal Problems of the Elderly", Prof. Bernard N. Dickens, Faculty of Law.

Registration fee including luncheons \$100, non-U of T residents \$50, U of T residents free but luncheons \$20.

Registration at 8.15 a.m. in Civic Ballroom, Sheraton Centre.

Information, Continuing Medical Education, 978-2718.

(Faculty of Medicine, American Geriatrics Society and Ontario Association of Medical Directors of Homes for Senior Citizens)

Planning a campus event?

A Guide to Events Planning gives tips on organization and procedures for making a success of your event. It lists U of T services and is available free. Contact: Public Relations Office, St. George campus, 45 Willcocks St., 978-2103 or 978-2105.

Gallery Club

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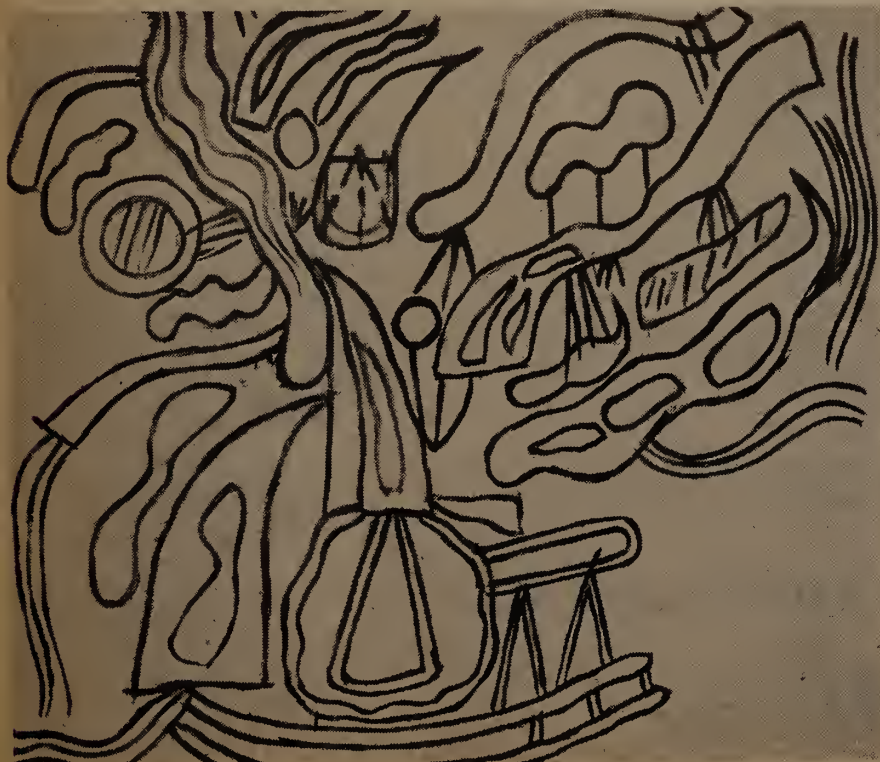
Events



K.M. Graham, *Bassano del Grappa*, 1978, acrylic on canvas.



William Ronald, *Mishima's Kite*, 1977, oil on cotton.



John Meredith, *Raja*, 1965, oil on canvas.

Exhibitions

Tuesday, September 8

Hart House Permanent Collection.

Recent acquisitions. Hart House Art Gallery to Sept. 25.
Gallery hours: Monday, 11 a.m. to 9 p.m.;
Tuesday-Saturday, 11 a.m. to 5 p.m.;
Sunday, 2 to 5 p.m.

Da Vinci Models.

Models representing Leonardo da Vinci's inventions. Art Gallery, Erindale College to Sept. 26.
Gallery hours: Monday-Friday, 10 a.m. to 9 p.m.; Saturday-Sunday, 2 to 5 p.m.

Klaus Lang.

Photographs. Art Gallery, Erindale College to Sept. 26.
Gallery hours: Monday-Friday, 10 a.m. to 9 p.m. Saturday-Sunday, 2 to 5 p.m.

Thursday, September 10

Alessandro Anselmi.

Work of member of Studio GRAU, Roman architects and urban designers. Faculty of Architecture & Landscape Architecture, 230 College St., to Oct. 1. (Architecture & Landscape Architecture, Canadian Masonry Contractors and Ontario Association of Architects)

(All paintings from Hart House Permanent Collection.
Photographs: Bill Dowkes.)



Ted Godwin, *Battle of Britain*, 1975, elvacite and oil on canvas.



Rosalind Goss, *Dartmoor Mist*, 1980, acrylic on canvas.



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Events

Play

Tuesday, September 15
Jeeves Takes Charge.

Adapted from P.G. Wodehouse and performed by Edward Duke, one-man show, post-London (Eng.) tour. Hart House Theatre. Sept. 15 to 26; Tuesday to Friday at 8 p.m., Saturday 6.30 and 9.30 p.m. Tickets \$10 from box office or Students' Administrative Council. Information, 978-8668 or 978-4909. (SAC and RBI Productions)

Governing Council & Committees

Tuesday, September 15
Committee on Campus & Community Affairs.
Council Chamber, Simcoe Hall. 4 p.m.

Wednesday, September 16
Business Affairs Committee.
Board Room, Simcoe Hall. 4 p.m.

Thursday, September 17
Governing Council.
Council Chamber, Simcoe Hall. 4.30 p.m.

Monday, September 21
Planning & Resources Committee.
Council Chamber, Simcoe Hall. 4 p.m.

Miscellany

Tuesday, September 15
Hart House Underwater Club Orientation Night.
Slide show presentation and instructors available to answer questions. Music Room, Hart House. 7 to 9.30 p.m. Information, Steve Younker, 978-6436.

Wednesday, September 16
Rugby.
Old Boys game. Varsity Stadium. 7.45 p.m.

Friday, September 18
Football.
Blues vs Laurier. Varsity Stadium. 7 p.m. Tickets: box \$6, reserved seats \$4, unreserved \$3, students \$2. Information and tickets, 978-3437.

Saturday, September 19
Rugby.
Blues vs Royal Military College. Back campus, west field. 2 p.m.

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at Walter Hall, University of Toronto at 8:30 p.m.

MARCH 19

URSULA OPPENS/AKI TAKAHASHI

duo pianists at Walter Hall, University of Toronto, 8:30 p.m.

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Erindale's got "IT"

by Paul W. Fox

This fall Erindale College is launching a bold new program. Called "IT" for short, the "Involvement Time" program flies in the face of the conventional wisdom that today's students are materialistic, self-regarding, and disinterested in the welfare of people worse off than themselves.

Sponsored by Erindale College and run in conjunction with the Peel Volunteer Centre, the IT program will give the Mississauga campus's undergraduates an opportunity to do volunteer work for the good of their fellow students and citizens in the community of Peel, in which the campus is located.

Voluntary work may take many forms — from helping other students with their math or English problems, serving on student council or college committees, to delivering Meals on Wheels or working with retarded children.

It will be up to the student to choose what he or she wants to do and then submit the proposal to a committee of five faculty, staff and students appointed by the principal. If the committee approves the project and it concerns the community, the student will be referred to a volunteer desk which will be located in the Student Counselling Centre at the college. This desk is the contact point with the Peel Volunteer Centre which acts as the clearing house for recruiting volunteers for social service agencies in the county of Peel.

When a student has completed 40 hours of work on an approved project, it will be noted on his file and he will become a member of the "Principal's IT Club"

This select group of students will include all those who have gone the extra mile by voluntarily doing something significant for their fellow students or citizens. Those who have "IT" will be

invited to a reception at the Principal's House and will receive a certificate describing their particular service.

The idea for the IT program came to me one day when I was reflecting on how to involve students more deeply in the life of the college. It seemed to me that a great many students regard educational institutions as filling stations. They drive in empty, fill up in the lecture room, library or lab, pay their fees, and drive out with no more commitment to their alma mater than they would have to the local gas bar.

I thought that if they joined their own physical labour to the premises, they would more likely feel that they were part of it. I saw them shovelling snow, planting trees, washing dishes, cutting grass, and picking up litter on campus — in short, doing anything constructive that would raise a bit of sweat that they could boast of 20 years later at an alumni meeting — and then I thought of the trade unions' objections and I quickly dropped the idea.

An obvious alternative was to get the students involved in voluntary social service in the community. Why not? The long-suffering public pays about three-quarters of the cost of the education which permits graduates to earn much better incomes for the rest of their lives. Why should a student not be asked to return a bit of this extra revenue to the public coffers by freely assisting less fortunate citizens?

You could call it an educational tax, or better yet, a citizenship tax. Or maybe it should be called a leadership tax because the essence of leadership is service and a society may properly expect those who have received the privilege of a university education to be leaders who serve.

Entranced by this inspiring ideal, some of us thought for a giddy moment that we might even make "Involvement Time" a requirement for graduation. But that idea evaporated in the heat of debate in the string of college committees through which we had to pilot the project.

At that point voluntarism became the key to success. A hard-working committee of volunteers headed by Professor Metta Spencer, who is a sociologist at Erindale, and composed of staff member Florence Wingfelder, college nurse Vivian Degutis, and history professor Ron Pruessen, fleshed out a plan which enlisted the help of the Associates of Erindale and the Peel Volunteer Centre.

The Associates of Erindale are themselves a volunteer body of Mississauga residents who do all sorts of good things



ROBERT LANSDALE

for the Erindale campus free of charge. They organize public lectures and concerts, serve lunch at Convocation and coffee at the drop of a hat, and raise money for scholarships. When the IT committee sought their help, some immediately volunteered to man the IT recruiting desk in the college five days a week.

These counsellors will be trained by the Peel Volunteer Centre and will be responsible to it. They will interview students who offer their services and place them in volunteer jobs that the Peel Centre makes available.

With all this voluntary labour, the cost to the college will be about nil — a desk and a telephone line are about all that are needed.

How many students will volunteer? The organizers are not afraid of an avalanche, not in the first year at any rate. But they are optimistic that the idea will catch on, that it will become the in-thing to be an IT person, and that service to the community will become a distinguishing characteristic of Erindale College.

If so, the Erindale campus will have done something to overcome the complaint voiced by President Harry Truman when he said, "One of the difficulties with our institutions is the fact that we've emphasized the reward instead of the service".

Paul Fox is principal of Erindale College.



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Letters

'The police are indispensable, the Centre of Criminology is not'

Regarding Professor Anthony Doob's letter (*Bulletin*, July 27) responding to mine of June 22, it appears that he objects to my "very strong views about the police". He states that such views are "contradicted by numerous studies of police in this country, Great Britain, and the United States".

Pray, what were my very strong views? Simply, that "... the police are fundamentally an expression of society's will for order, and against disorder", and that "... if that will breaks down, so must the effectiveness of the police, sooner or later". I also pointed out that anything that undermines society's support for the police is potentially dangerous, and is to be distinguished from constructive criticism, which the police were doubtless prepared for when they first permitted Ericson and colleagues to conduct their study. I suggested that the language (e.g. ... crime "as a bureaucratic product, manufactured by police ...") and tone of the study, as conveyed by Susan Swan's report, point to personal bias against the police. The negative reactions of the police, who, after all, had been willing "collaborators" in Ericson's study, reinforced this view.

Even greater reinforcement is provided by Doob's letter, bearing in mind that he is Ericson's director. How can Doob claim impartiality when he finds my positive views of the police so objectionable? What views of the police would he find more palatable — that they, not criminals, are enemies of society?

Frankly, it concerns me to discern such attitudes within our Centre of Criminology. Several of my colleagues are equally concerned, and it would be helpful for all of us to see something in print from Doob, or Ericson, that would clear the air, rather than thicken it. There must be evidence somewhere, even to criminologists, that criminals, not policemen, are the primary source of crime!

Professor Doob makes much of my not having read Ericson's original study. This I freely told him over the telephone. I also clearly indicated in my letter that I was responding to Swan's substantial report, not to the original study. Neither Doob, nor I, can possibly read voluminous studies on every subject about which

we have opinions. If Swan's report misrepresented the original, then Doob's quarrel should be with her. Since he questions nothing in her report, and since it contains many quotations of the original, it must have formed reasonable grounds for my response. After all, of what value are such reports in the *Bulletin* if they provide no reliable information to which the reader may respond?

Finally, Doob quibbles that my "lack of systematic knowledge about the police ..." fails to deter me from commenting on them. Carried to its logical extreme, such an attitude would discourage ordinary citizens from voting because they are not political scientists, or from carrying out a thousand other necessary tasks for which they have no formal training. Besides, my contacts with the police have been considerable. Over the years, I've collected my share of parking and speeding tickets (mostly deserved) and welcomed police assistance in times of emergency. Two of my uncles were policemen, as are one good friend and one close neighbour. Though human and imperfect, all have risked, and/or will risk, their lives so that Doob and I may live more securely.

I trust Doob realizes that the police are indispensable, while the Centre of Criminology is not, and will see to it that future studies (and letters) have constructive goals more clearly in view.

Dr. Daniel H. Osmond
Department of Physiology

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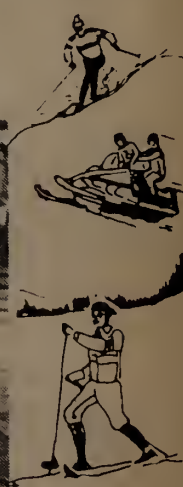
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